

Abstract of the Disclosure

A boosting circuit includes first to third charge pump circuits and a switching unit. The first to third charge pump circuit which contains first to third capacitive section charged to the first voltage, respectively. The switching unit connects the first charge pump circuit and the second charge pump circuit in series in response to a first switch signal and a control signal such that a second voltage higher than the first voltage is outputted from a first node to a first internal circuit of a semiconductor device. Also, the switching unit connects the first charge pump circuit, the second charge pump circuit and the third charge pump circuit in series in response to a second switch signal and the control signal, such that a third voltage is outputted from a second node to a second internal circuit of the semiconductor device.